

5.4 Word Problem – **HOMEWORK**

Name: _____

Date: _____

Directions: For each problem, state whether the problem is asking you to multiply or divide. Solve the problem. Use a visual to help you solve if stuck.

1. Bonnie bought four bags of jellybeans for Easter baskets. She wants to put $\frac{2}{3}$ of a bag in each basket. How many baskets can she make?

2. Bonnie bought four bags of jellybeans for Easter baskets. Her brother ate $\frac{2}{3}$ of her jellybeans. How many bags did he eat?

3. Mom had $\frac{1}{2}$ of a candy bar in her purse. Her 3 children wanted to share it equally. How much of a candy bar will each child get?

4. Mom had $\frac{1}{2}$ of a candy bar in her purse for each of her 3 children. How much candy does she have?

5. The baker has $\frac{1}{2}$ pound of sugar left. He needs $\frac{1}{8}$ pound for each batch of cookies. How many batches of cookies can he make with his sugar?

6. The baker has $\frac{1}{2}$ pound of sugar left. He uses $\frac{1}{8}$ of his sugar on a cake. How much sugar did he use?

TURN OVER -

WHO IS CORRECT?

Kathryn, Leigh and Trina were all given this problem:

Mary Lou bought 2 yards of satin ribbon at the craft store. She was making hair bows for her nieces. If she needs $\frac{2}{3}$ of a yard of ribbon for each hair bow, how many bows can she make?

Below is each girl's work.

Kathryn
 $\frac{2}{3}$ "of" $\rightarrow \bullet$

$$2 \cdot \frac{2}{3}$$

$$\frac{2}{1} \cdot \frac{2}{3}$$

$$\frac{4}{3}$$

$1\frac{1}{3}$ bows

Leigh
"how many bows" \div

$$\frac{2}{3} \div 2$$

$$\frac{2}{3} \times \frac{1}{2}$$

$$\frac{2}{6}$$

$\frac{1}{3}$ of a bow

Trina
"how many bows" \div

$$2 \div \frac{2}{3}$$

$$\frac{2}{1} \cdot \frac{3}{2}$$

$$\frac{6}{2}$$

3 bows

1. Who is correct? Why?

2. What were the mistakes of the other girls?